



**WW ENGINEERING & SCIENCE**  
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## **MEMORANDUM**

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**To:** Ted Leitzke  
Site Project Manager for ARCS  
**cc:** Jerry Canfield  
Liz Bartz

**From:** Jeff Groen, Project Hydrogeologist

**Date:** December 7, 1993

**Subject:** Wisconsin Steel Works Site  
Crib Notes for Meeting with EPA, IEPA, and USACE on December 8, 1993  
(Project #04015.23)

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We completed a technical review of the "Site Characterization Interim Report (9/93)" prepared by the U.S. Army Corps of Engineers for the Wisconsin Steel Works Site (WSW) on November 5, 1993. Our technical comments have been received by the Corps, and they have requested an informal meeting with us regarding future investigations. I understand that the meeting will take place at the EPA Region V headquarters in Chicago, IL. I also understand that Mr. Tracey Fitzgerald of the Illinois EPA will be present at the meeting.

The following are among my chief concerns as additional investigations are planned:

- Characterization of the Wadsworth Till as an aquitard.
- Investigation of the site-specific stratigraphy beneath the Wadsworth Till as well as sampling and analysis of these deeper geologic units for contamination.
- Characterization/Investigation of LNAPLs via water table monitoring wells (If completed, please document with cross-sections including screen depths and water elevations.)
- Investigation of DNAPLs, especially in the vicinity of the former Coke Plant (Area II).
- Development of work-up/calculations regarding the groundwater parameters presented in the Interim Report.
- Classification of the Carmi Sand Aquifer as an Illinois Class I (potable water) or Class II (general use) groundwater resource.
- Effect of the storm sewer network on the Carmi Sand water table and drainage to the Calumet River.
- Historical development of sewage treatment sludges and ash residue from the steel production furnaces.

Ted, I'll call you after I get the plane tickets (hopefully at about 2:30 pm your time).